

Message Text

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NSF PASS ROGER DOYON

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TAGS: TPHY, OSCI, TGEN, IN
SUBJECT: INDO-US WORKSHOP ON REMOTE SENSING OF WATER
RESOURCES

1. THE INDO-US WORKSHOP ON REMOTE SENSING OF WATER RESOURCES, CONCLUDED LAST WEEK IN HYDERABAD, WAS A GREAT SUCCESS. PRESENTATIONS ON BOTH SIDES, PARTICULARLY FROM THE US DELEGATES WERE VERY LUCID AND MUCH APPRECIATED BY THE INDIAN PARTICIPANTS. SOME OF THE LATEST TECHNIQUES IN REMOTE SENSING OF WATER RESOURCES DEVELOPED IN THE US WERE EXPLAINED BY THE US SIDE. THE PRESENTATIONS BY THE INDIAN SIDE HELPED TO FOCUS ATTENTION ON THE PROBLEMS OF FRESH WATER IN INDIA PARTICULARLY THE NEED FOR GROUND WATER EXPLOITATION. DISCUSSIONS WERE LIVELY AND BUSINESS LIKE . THERE WAS COMPLETE RAPPORT BETWEEN THE ORGANIZERS AND THE PARTICIPANTS FROM BOTH SIDES. THE MEETINGS WERE WELL ORGANIZED WITH METICULOUS PLANNING OF DETAILS. THIS HELPED IN TURNING THE LAST TWO DAYS OF THE WORKSHOP INTO SESSIONS OF SMALLER GROUPS WHERE JOINT PROJECT PROPOSALS WERE FORMULATED. THIS WAS MADE POSSIBLE BECAUSE EACH SIDE COULD APPRECIATE THE POTENTIAL AND LIMITATION OF THE OTHER. PROPOSAL OUTLINES IN THE FOLLOWING II AREAS WERE PREPARED:

1. APPLICATION OF REMOTE SENSING TO COASTAL ZONE
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MANAGEMENT IN INDIA

2. DEVELOPMENT OF EMPIRICAL RELATIONS AND THEORETICAL MODELLING FOR WATER QUALITY MONITORING THROUGH REMOTE SENSING TECHNIQUES.
3. DESERT MONITORING, WESTERN DESERT.
4. GROUNDWATER EXPLOITATION AND DEVELOPMENT ALONG

SELECTED COASTAL BELTS OF INDIA

5. RESEARCH PROPOSAL ON DATA PROCESSING TECHNIQUES
IN THE REMOTE SENSING OF WATER RESOURCES
6. DEVELOPMENT OF TECHNIQUES FOR DIFFERENTIATING "OPEN"
AND "CLOSED" FRACTURE ZONES BY REMOTE SENSING
7. THE HYDROLOGIC IMPORTANCE OF QUANTITATIVE
GEOMORPHOLOGY, DERIVED FROM LANDSAT DATA
8. DEVELOPMENT OF WATERSHED MODELS FOR PREDICTION OF
RUNOFF USING REMOTELY SENSED DATA
9. SENSITIVITY ANALYSES OF HYDROLOGIC MODELS USED IN INDIA
10. EVALUATION OF ANOMALOUS SOIL MOISTURE AND VEGETATION
IN CERTAIN REGIONS OF INDIA
11. GROUNDWATER BALANCE- TECHNIQUES.

2. IT WAS RECOGNIZED AT THE WORKSHOP THAT AT THIS STAGE NO DEFINITE
PLANS COULD BE MADE AS TO HOW PROJECTS FORMULATED AS A RESULT OF
THE WORKSHOP WILL BE FUNDED. HOWEVER, TENTATIVE THINKING WAS
THAT MANY OF THE PROPOSALS COULD BE APPROPRIATE CANDIDATES FOR
NSF FUNDING. VIC KLEMAS IN HAND CARRYING PROPOSAL COPIES.

3. BOTH WG. CDR. RAO AND VIC KLEMAS CONDUCTED THE MEETINGS IN A
MOST HARMONIOUS WAY. THE WORKSHOP PROVIDED AN EXCELLENT
EXAMPLE OF GOOD PLANNING AND INTERACTION BETWEEN NSF, THE EMBASSY,
DST AND NRSA.

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4. THE NRSA GROUP WAS INTERESTED IN DEVELOPMENT OF NEWER TECHNIQUES
FOR REMOTE SENSING OF WATER RESOURCES BUT LAID EMPHASIS ON
OPERATIONAL ASPECTS. EMBASSY SCIENCE SPECIALIST S.K. DUTT HELPED
ARRANGE FOR SOME OF THE US DELEGATES TO VISIT OTHER GOI
RESEARCH INSTITUTIONS WHICH ARE ACTIVE IN R AND D ASPECTS OF
BOTH REMOTE SENSING AND WATER RESOURCES. THIS MAY RESULT IN
ADDITIONAL PROJECT PROPOSALS.
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